

Fig. 1

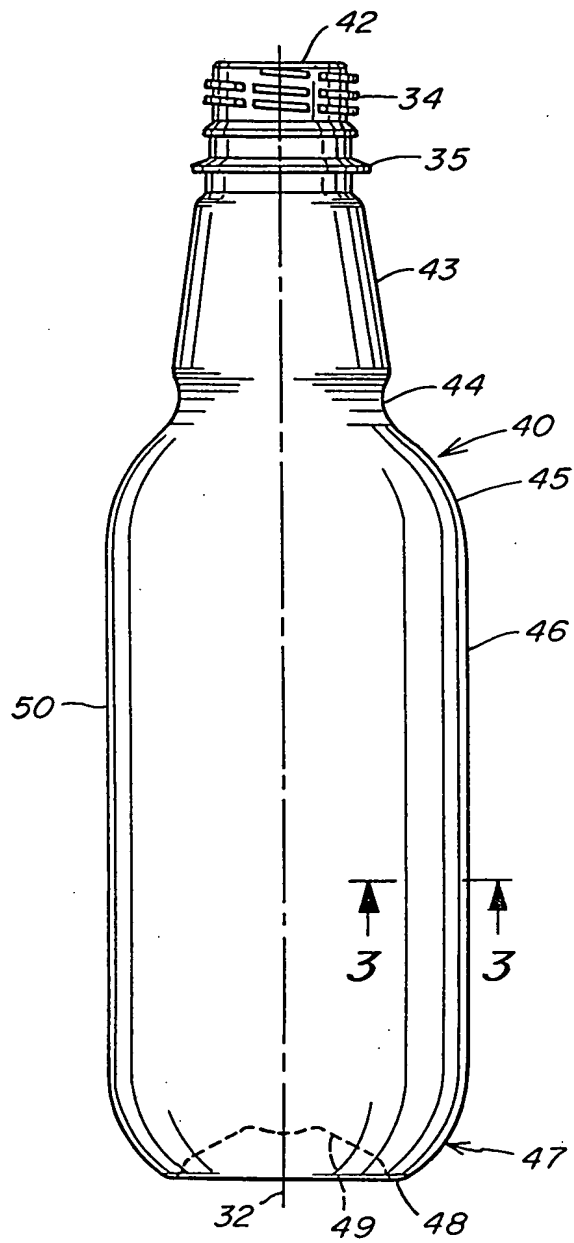


Fig. 2

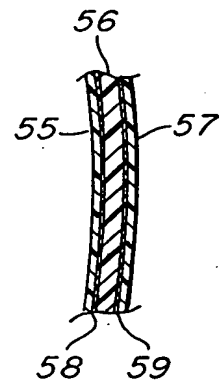


Fig. 3

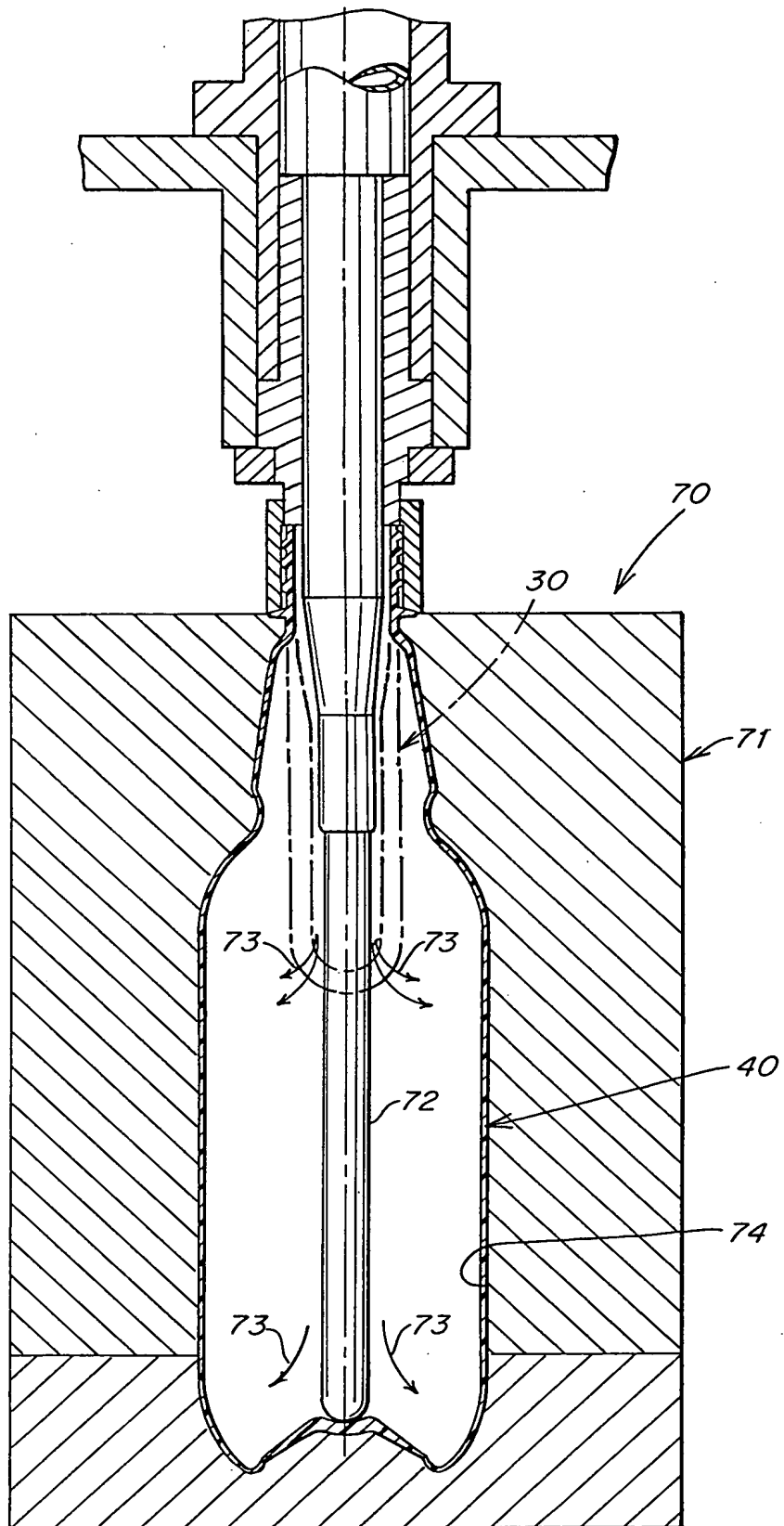


Fig. 4

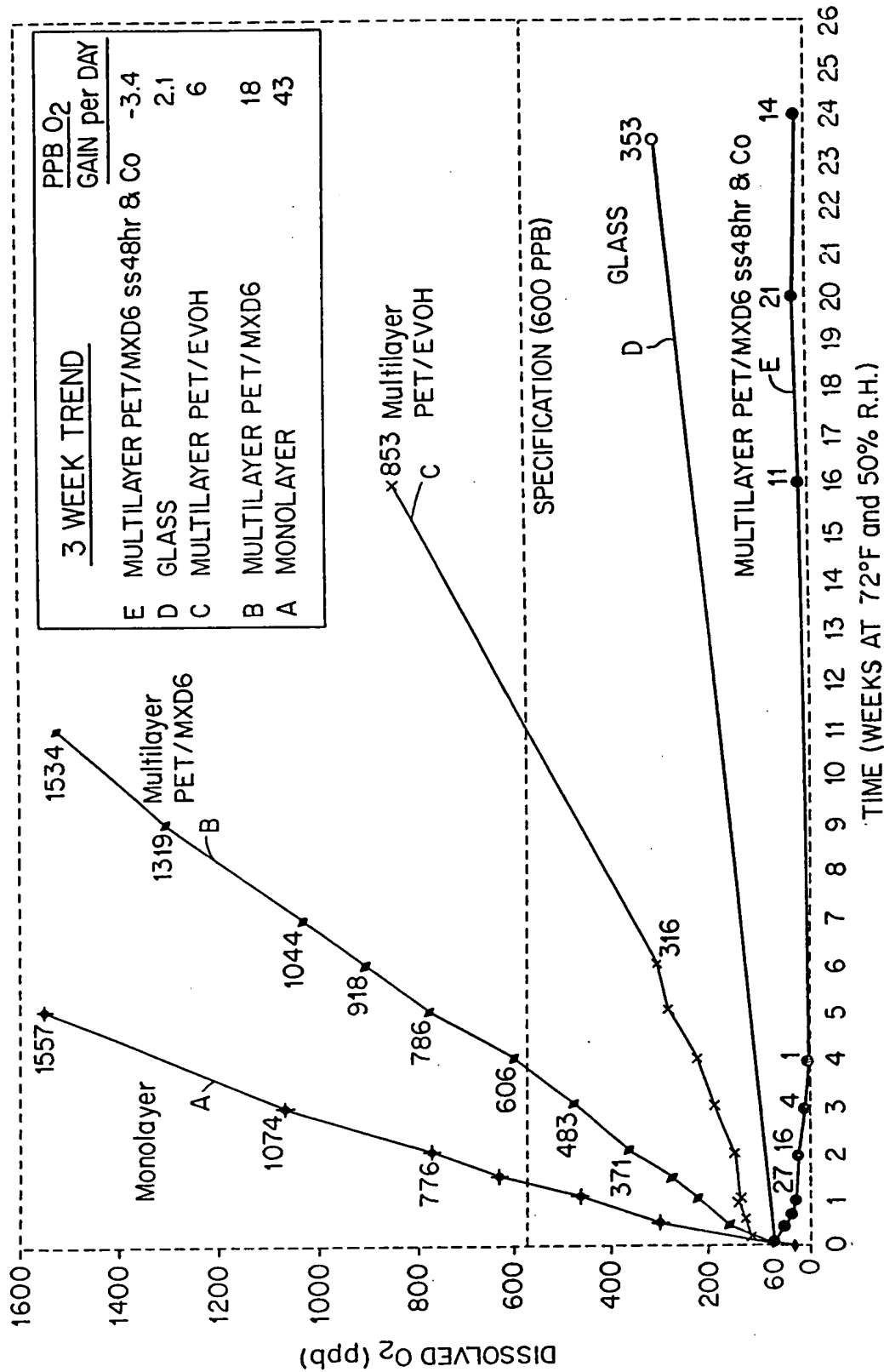


FIG. 5

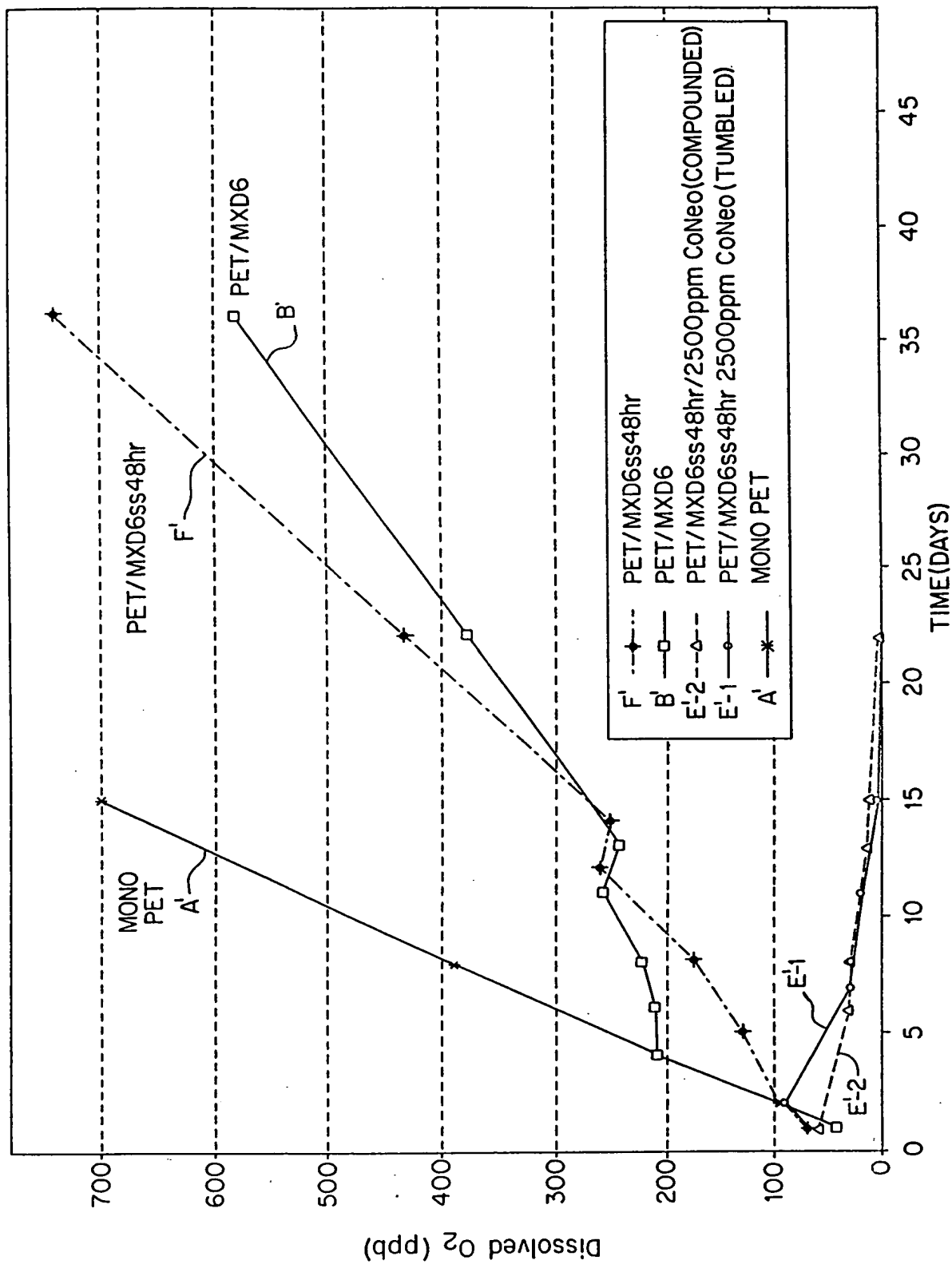


FIG. 6

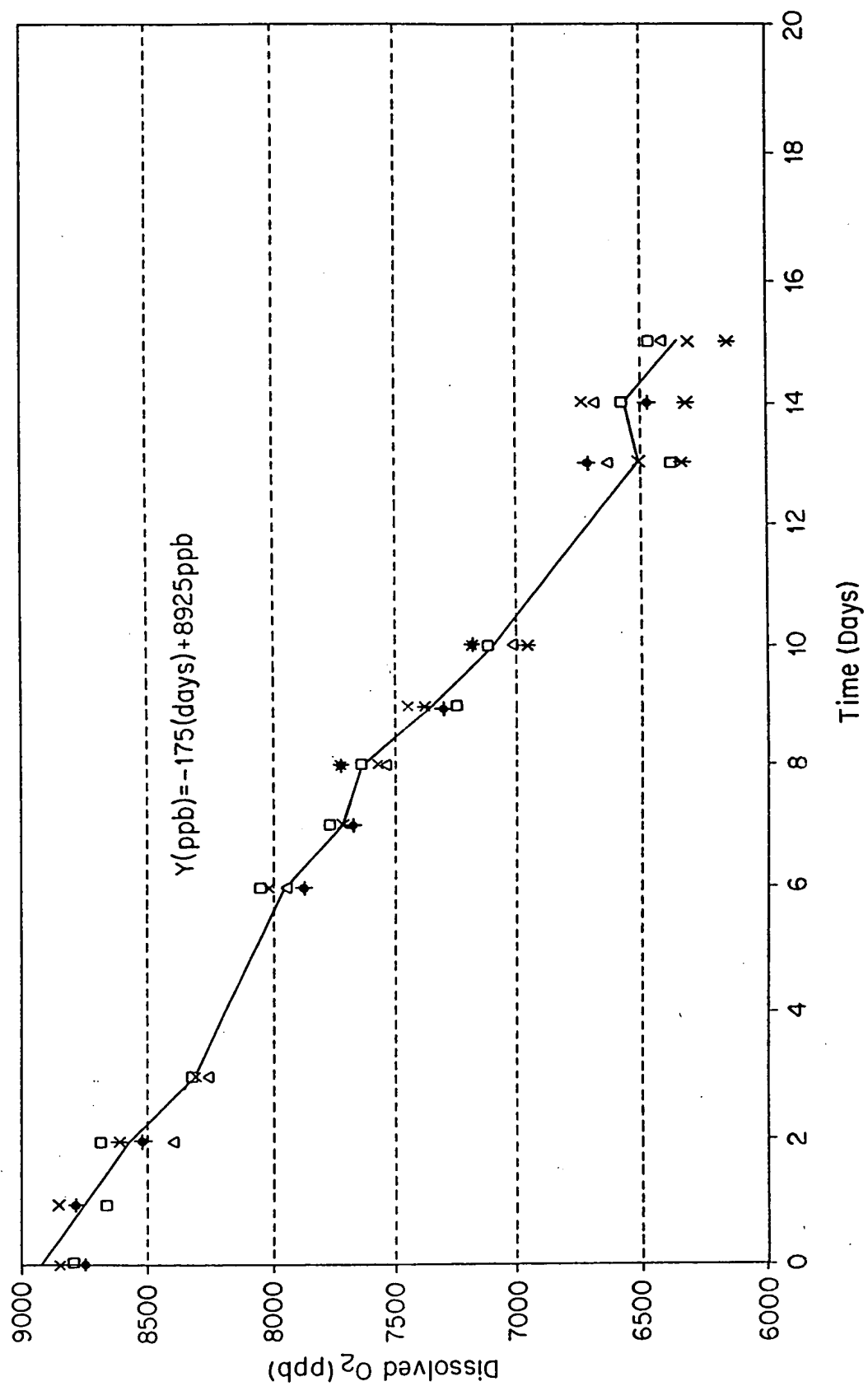


FIG. 7

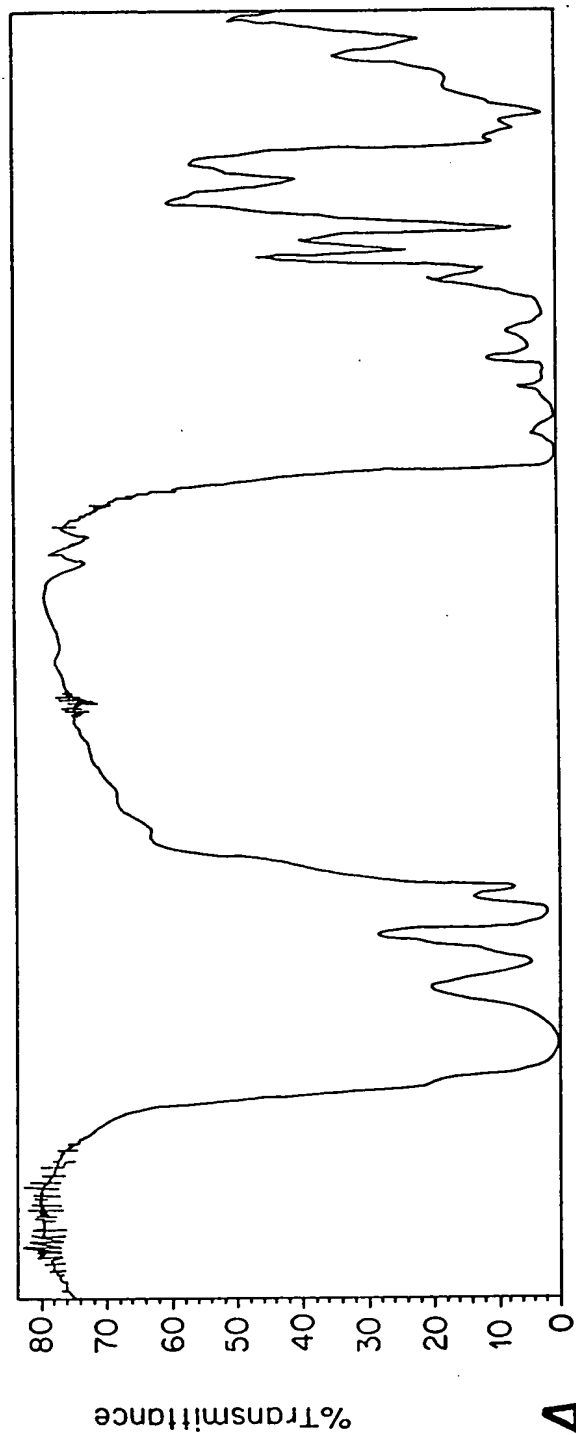


FIG. 8A

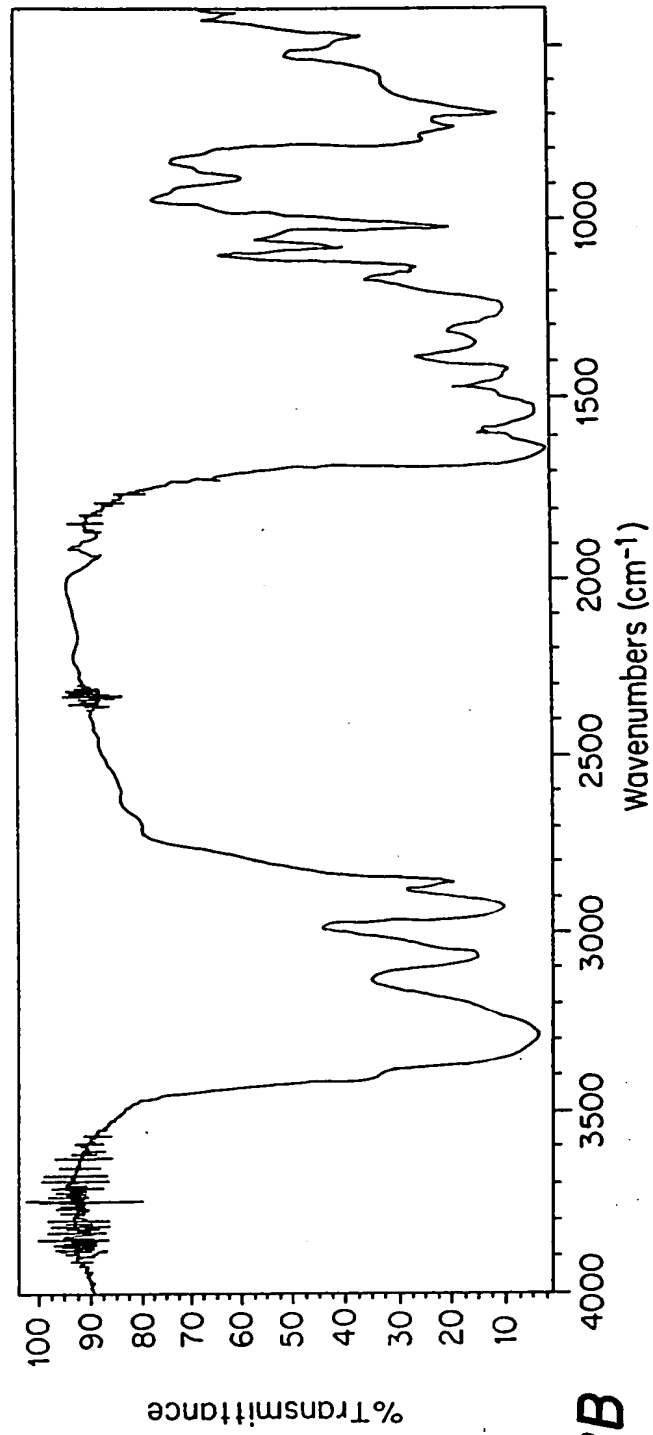


FIG. 8B

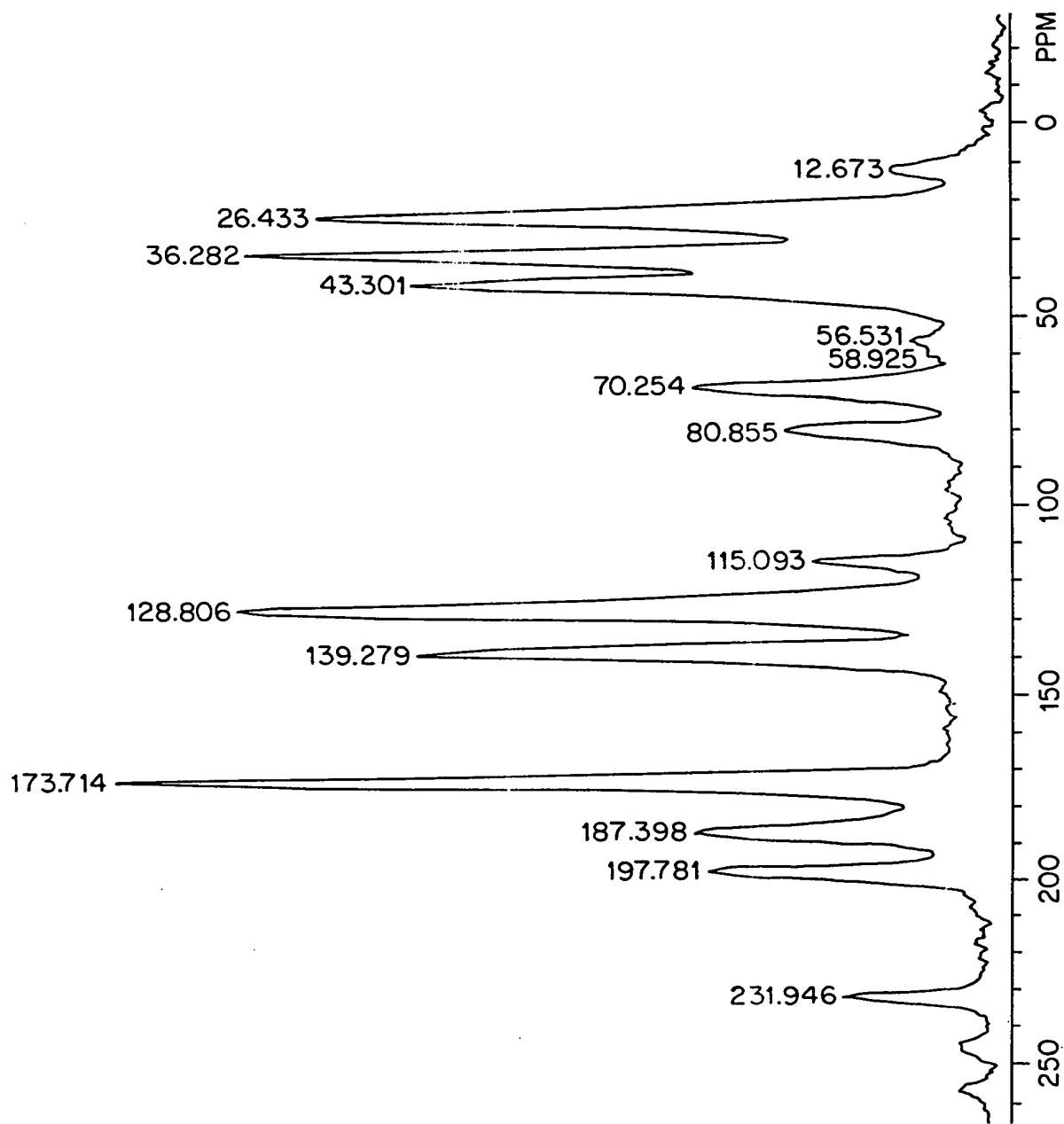


FIG. 9A

13C NMR spectrum of 1,2-dichloroethane in CDCl₃. The spectrum shows 10 distinct peaks labeled with their chemical shifts in PPM:

Chemical Shift (PPM)
10.978
26.360
36.197
43.226
55.902
69.530
79.915
114.365
128.781
139.256
173.687
187.941
198.413
232.632

FIG. 9B

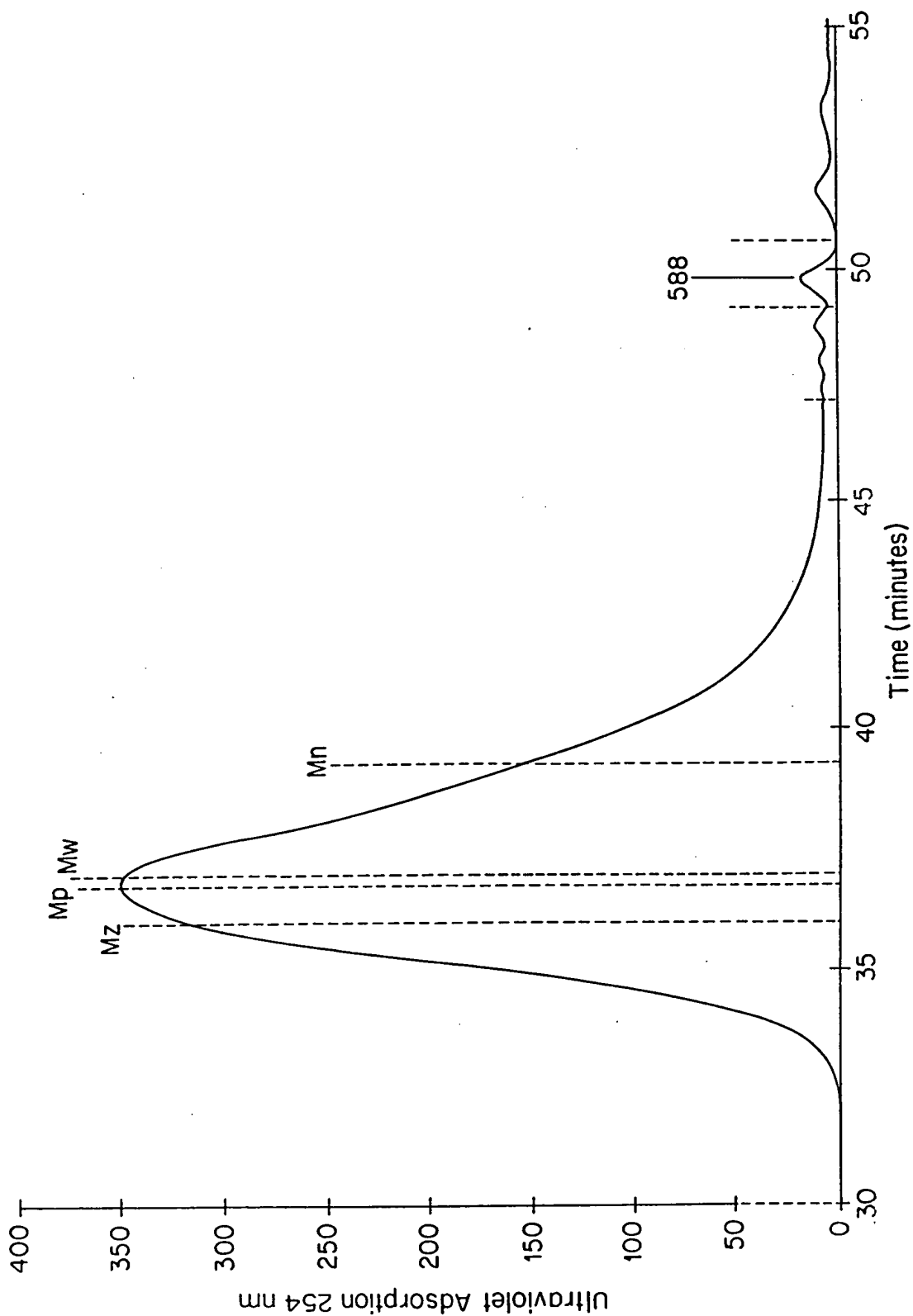


FIG. 10

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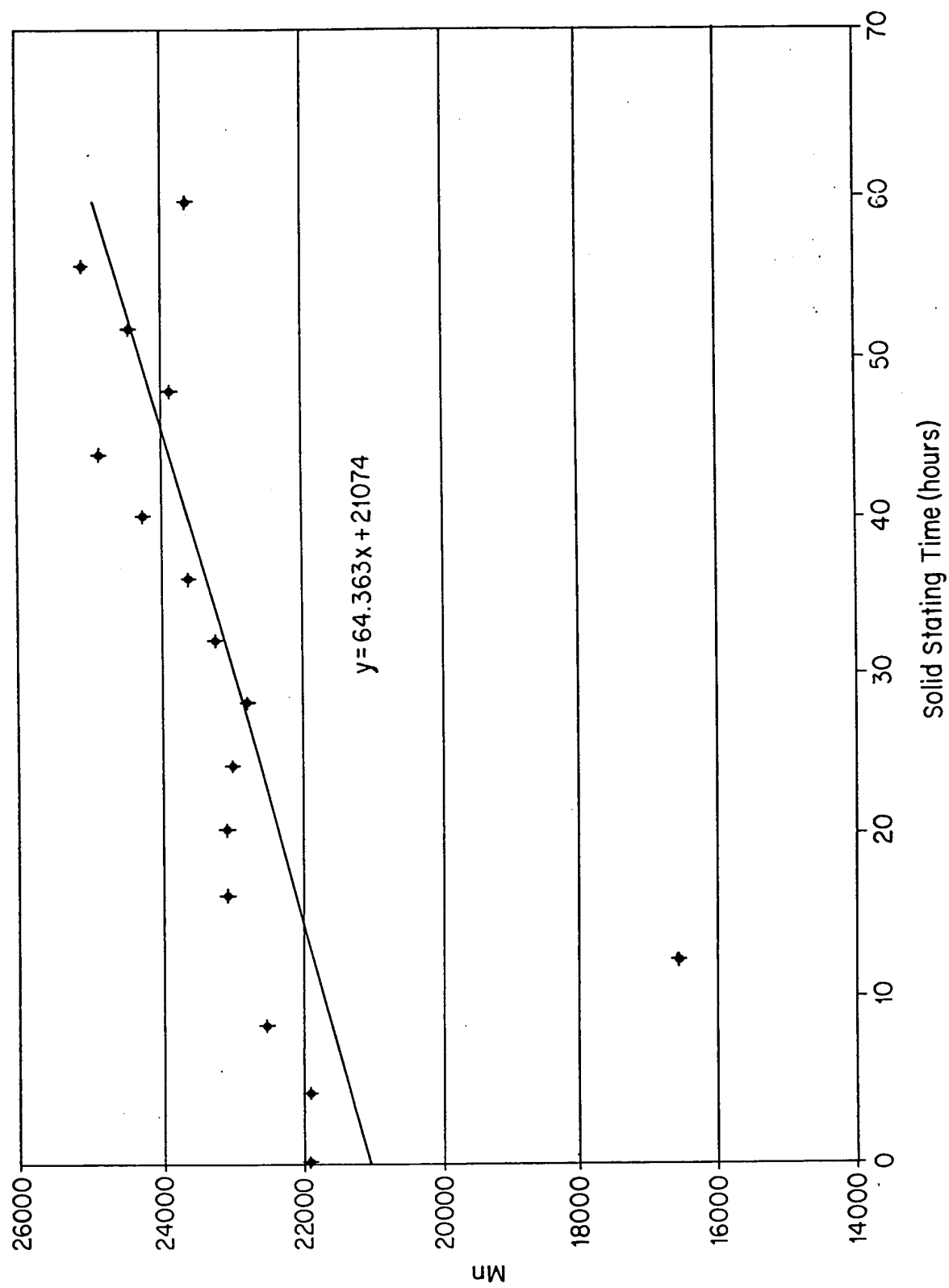


FIG. 11

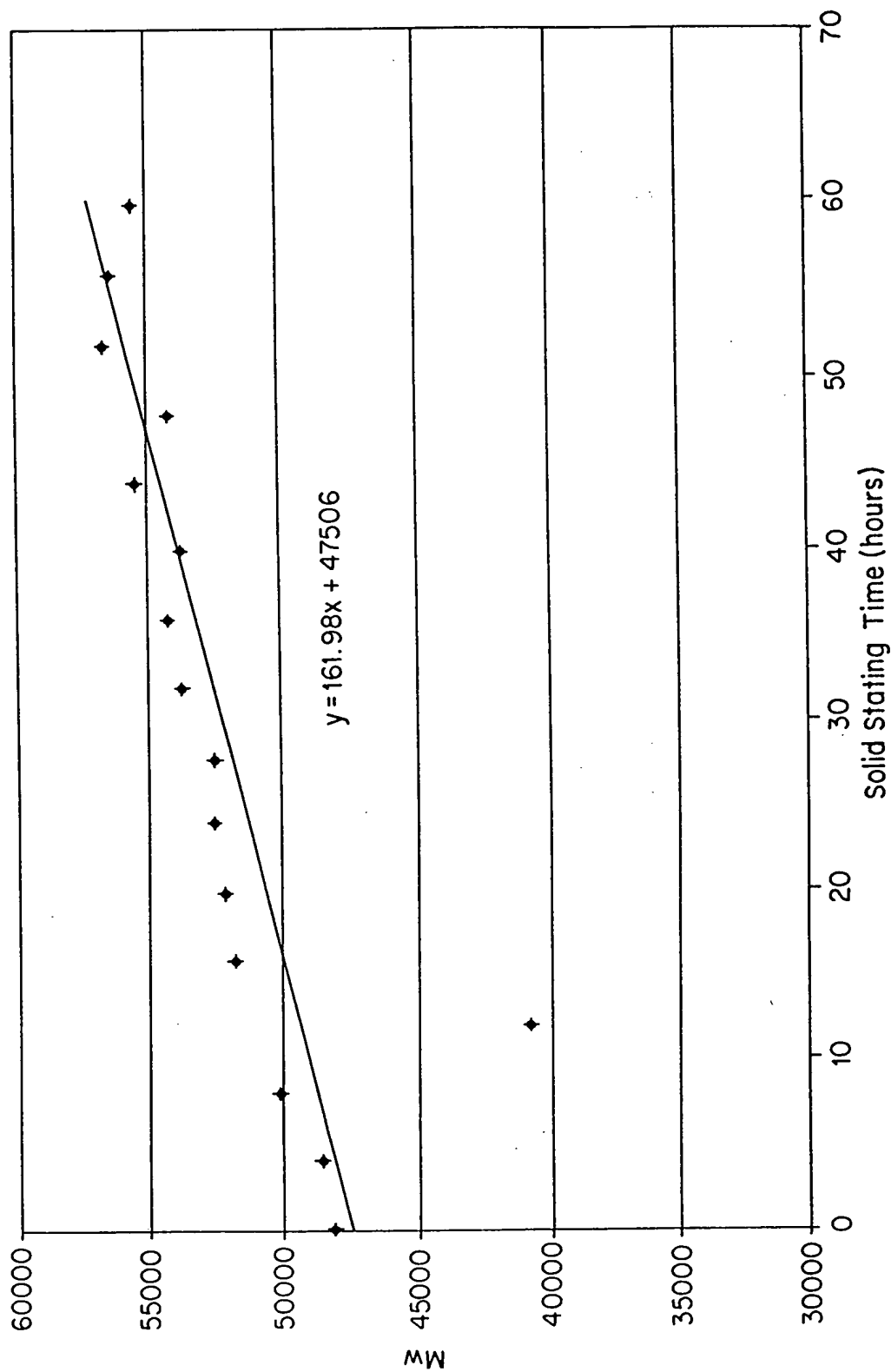


FIG. 12

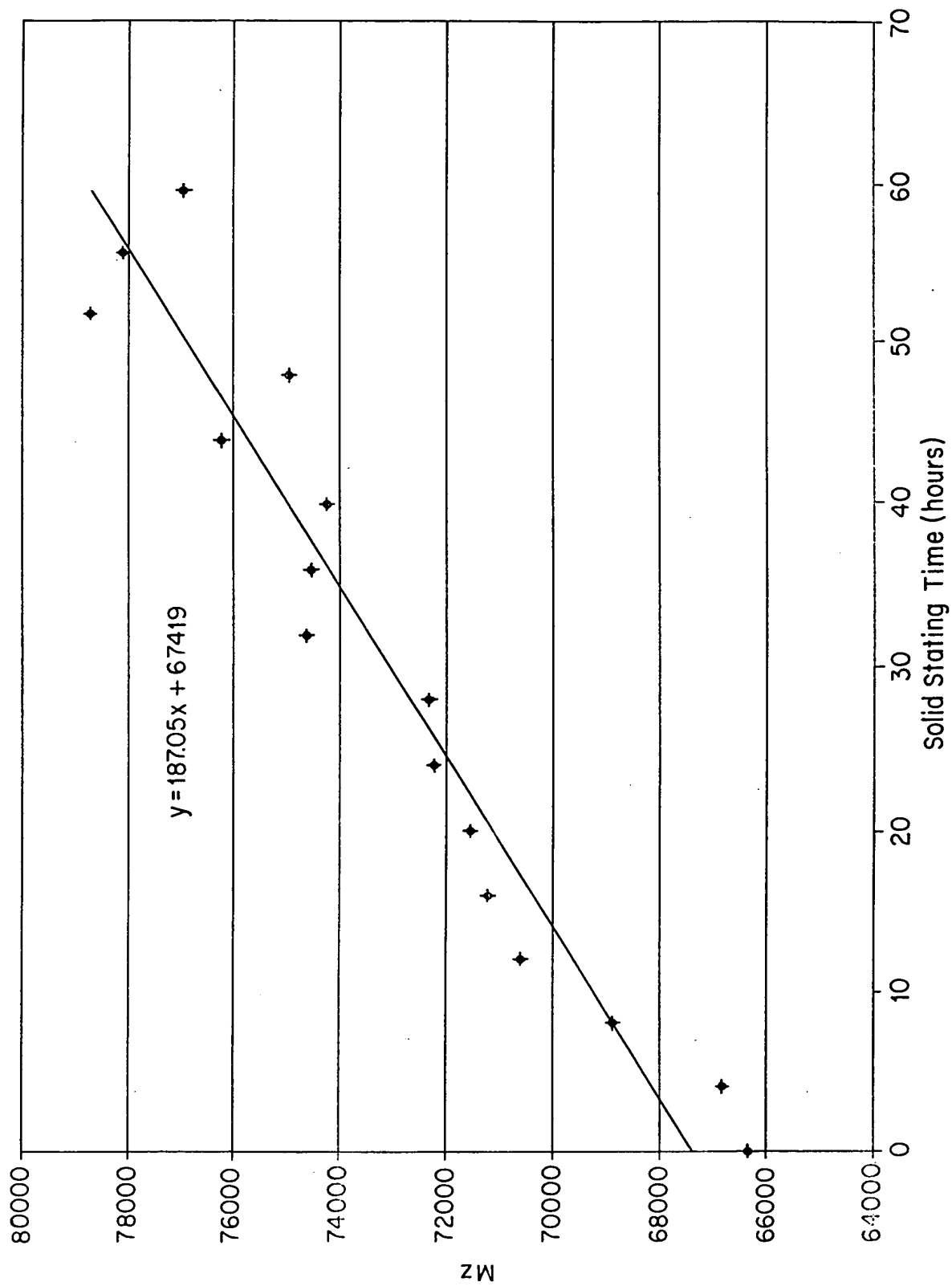


FIG. 13

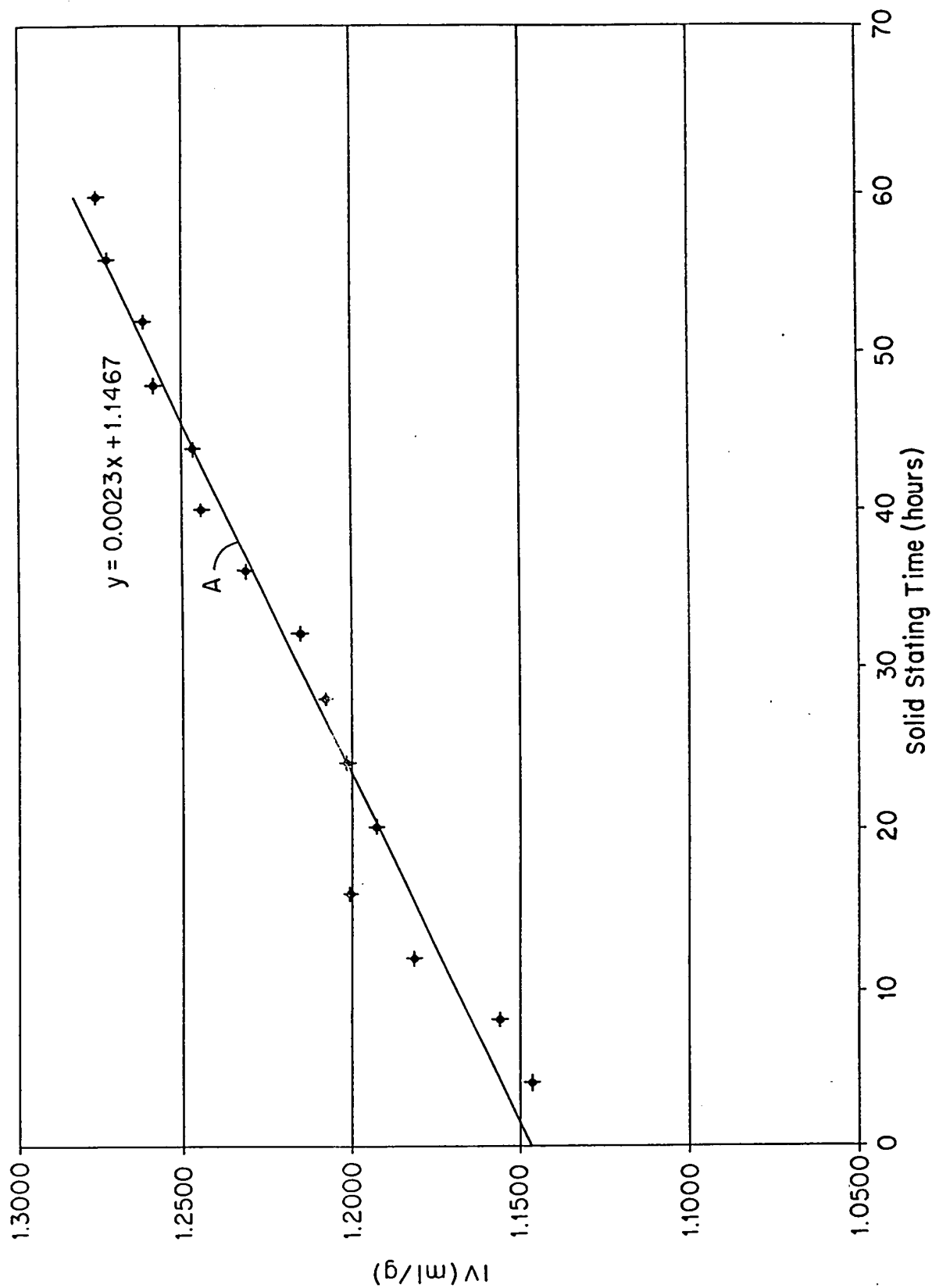


FIG. 14

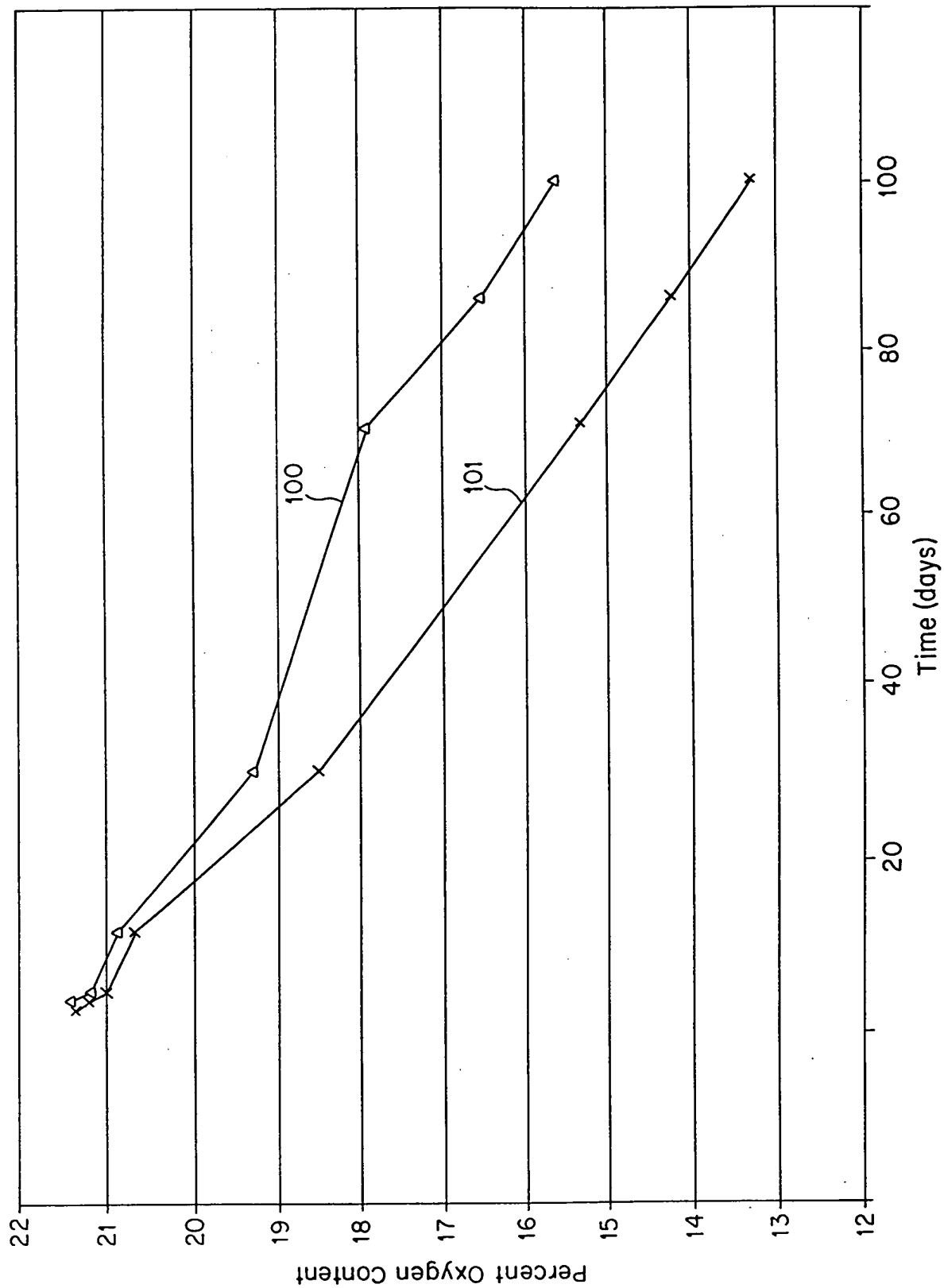


FIG. 15A

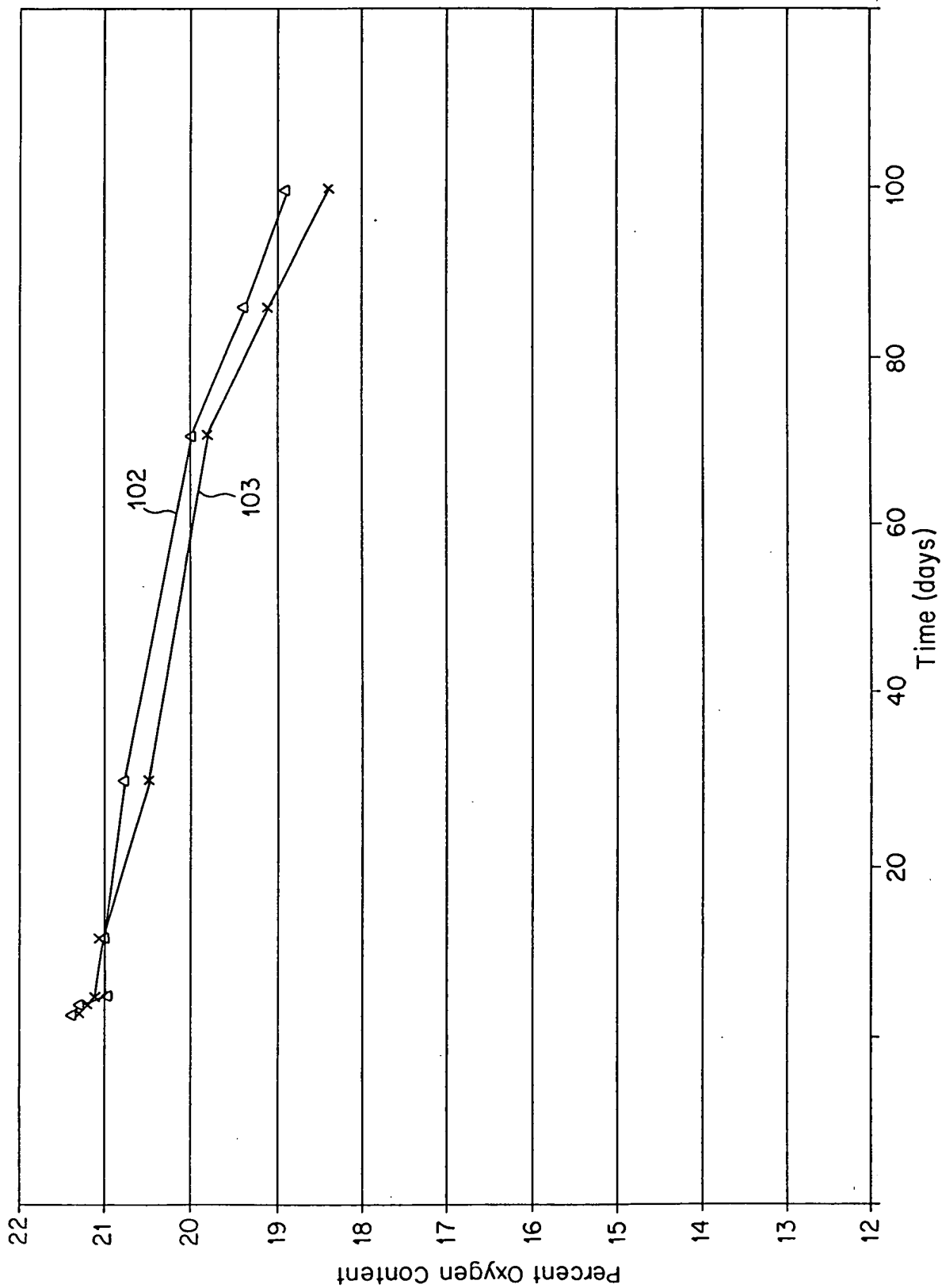


FIG. 15B

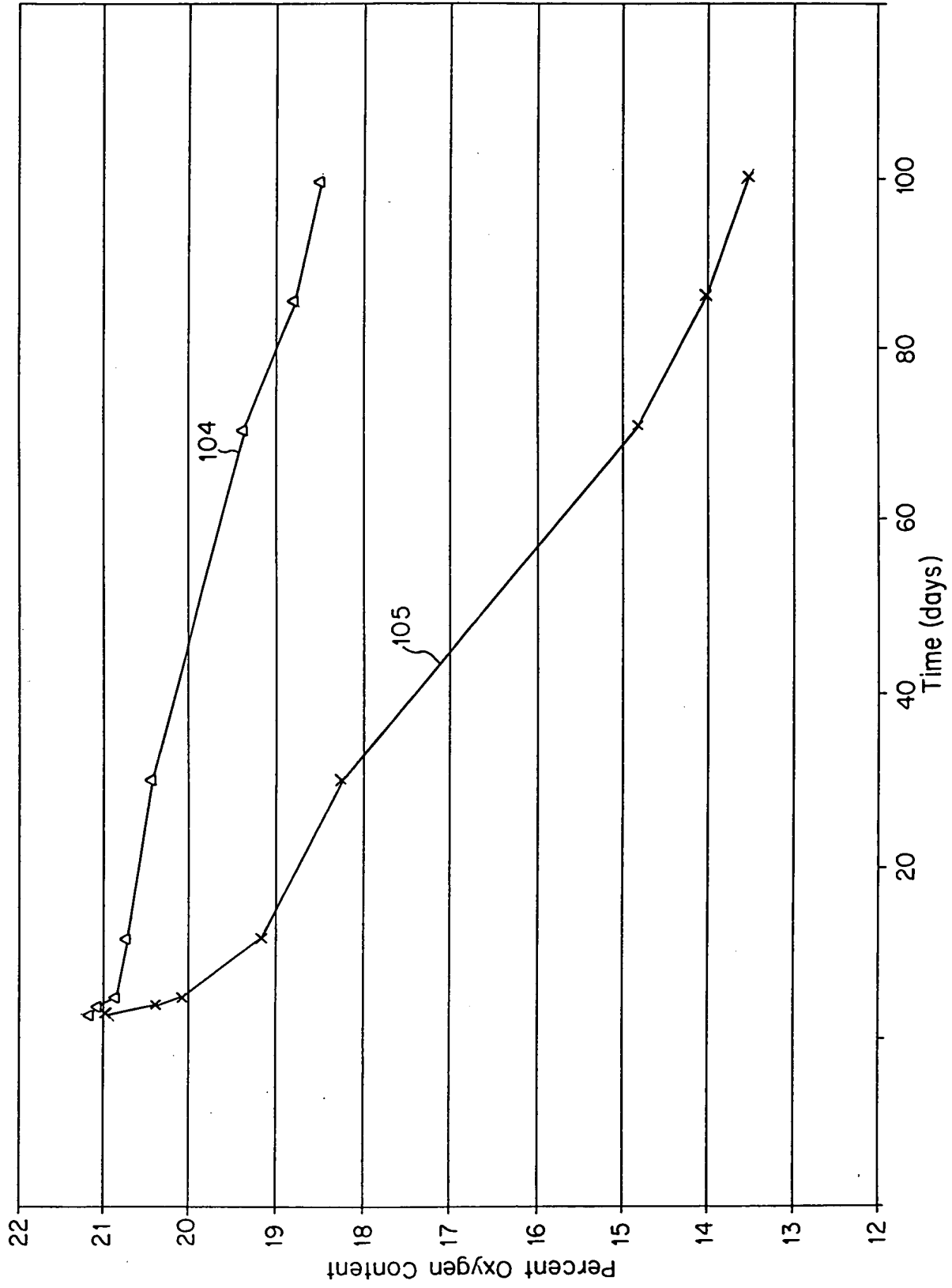


FIG. 15C

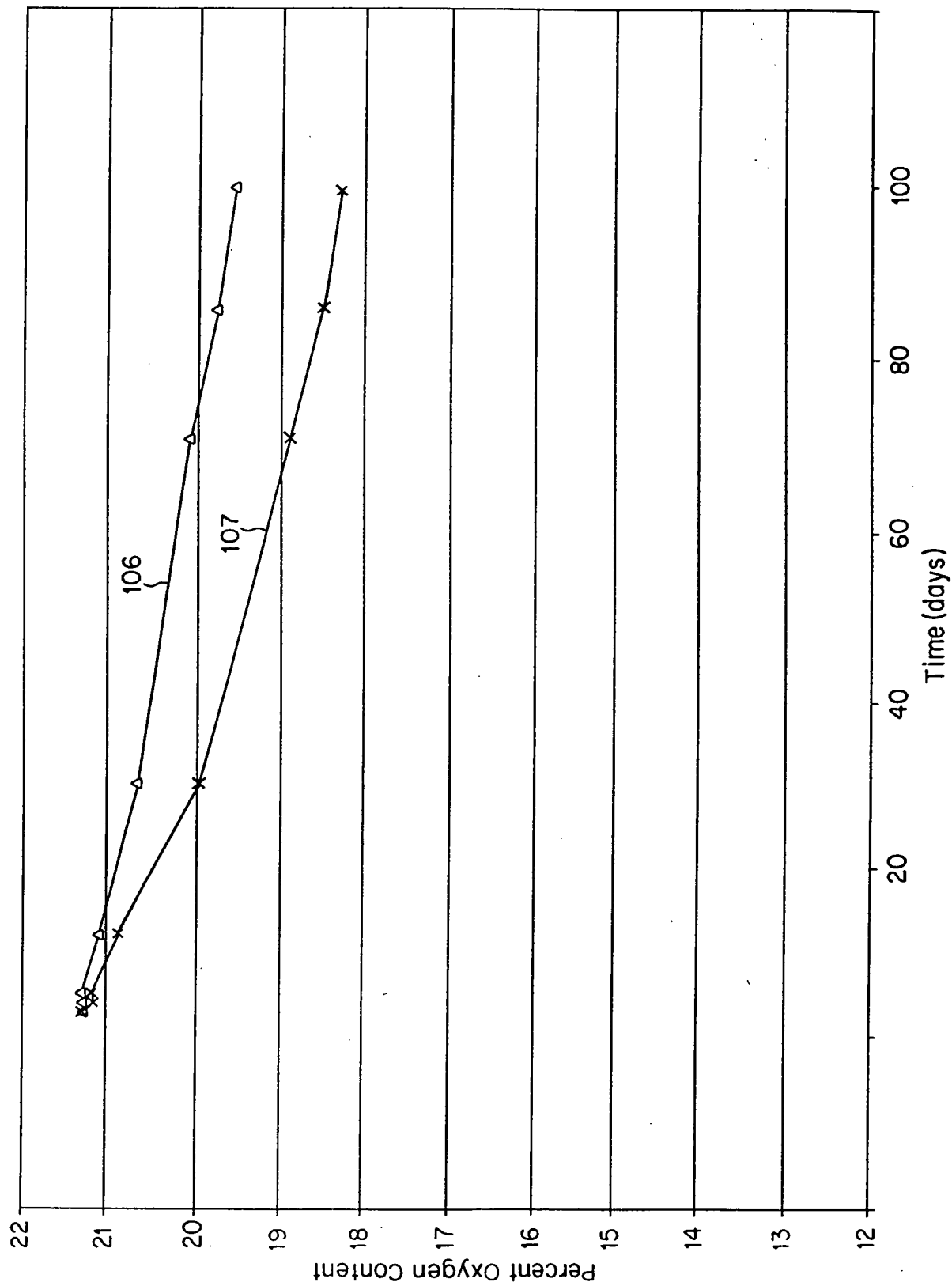


FIG. 15D

FIG. 16

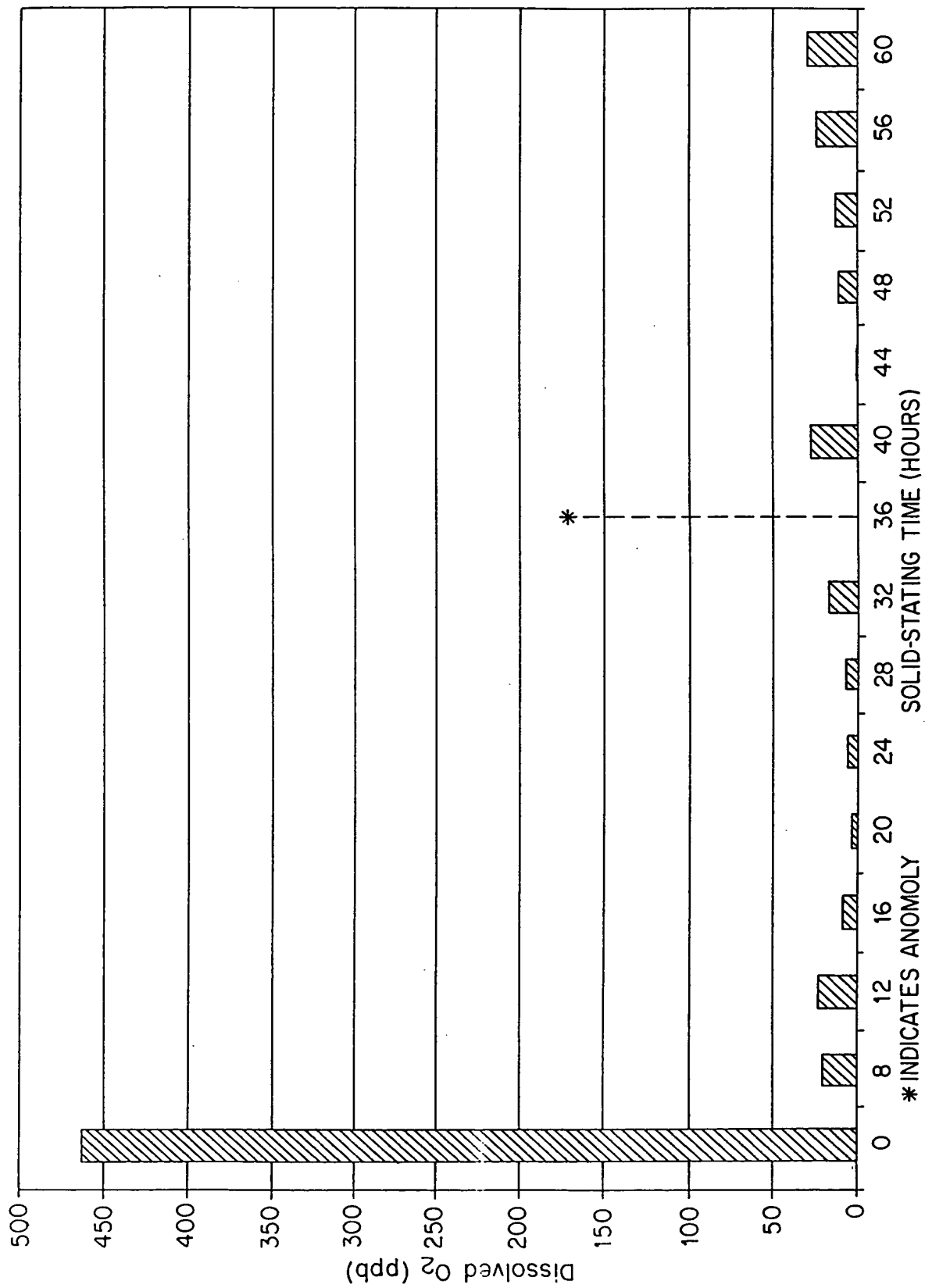


FIG. 17

Percent O₂ Reduction

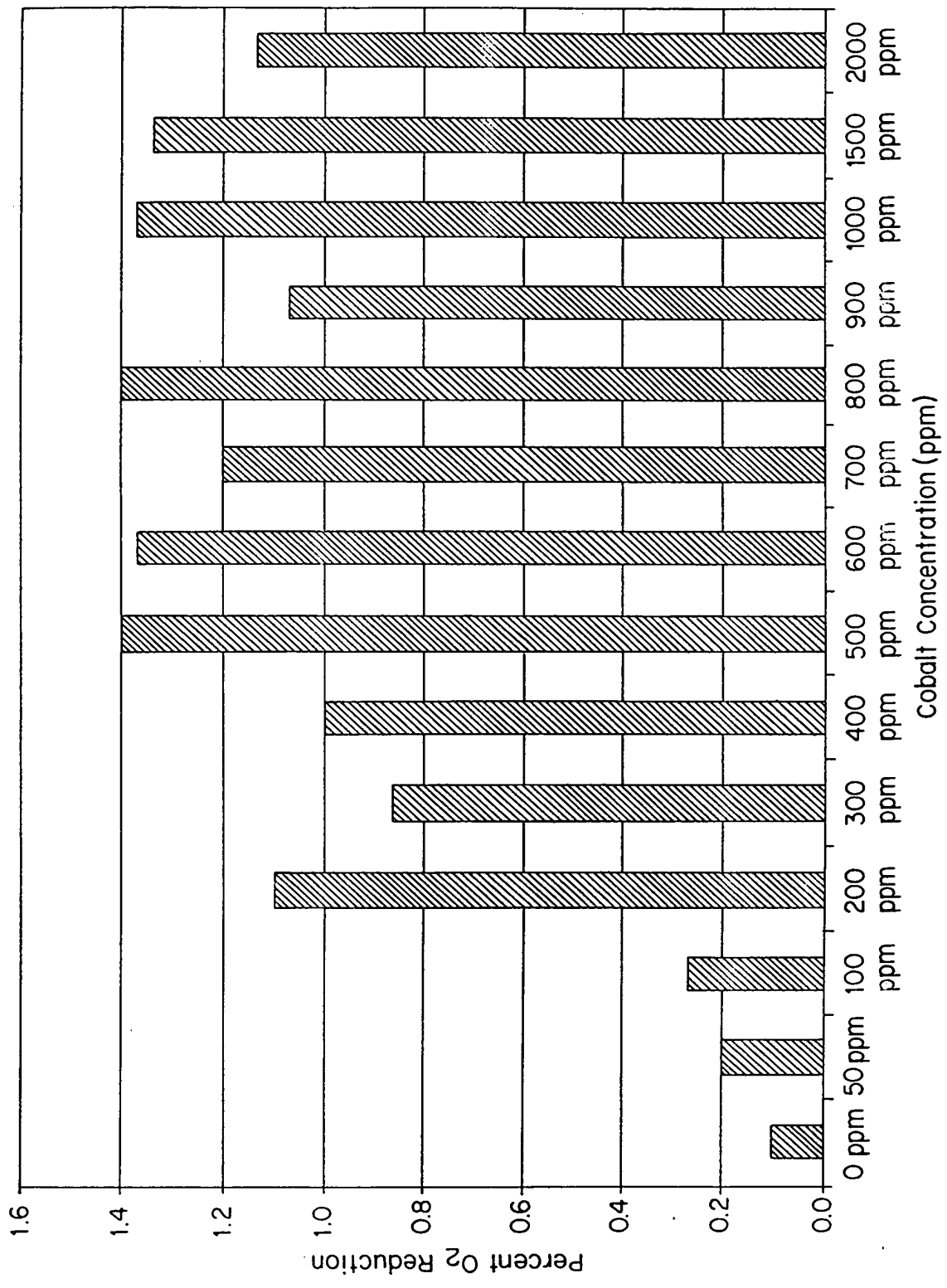


FIG. 18

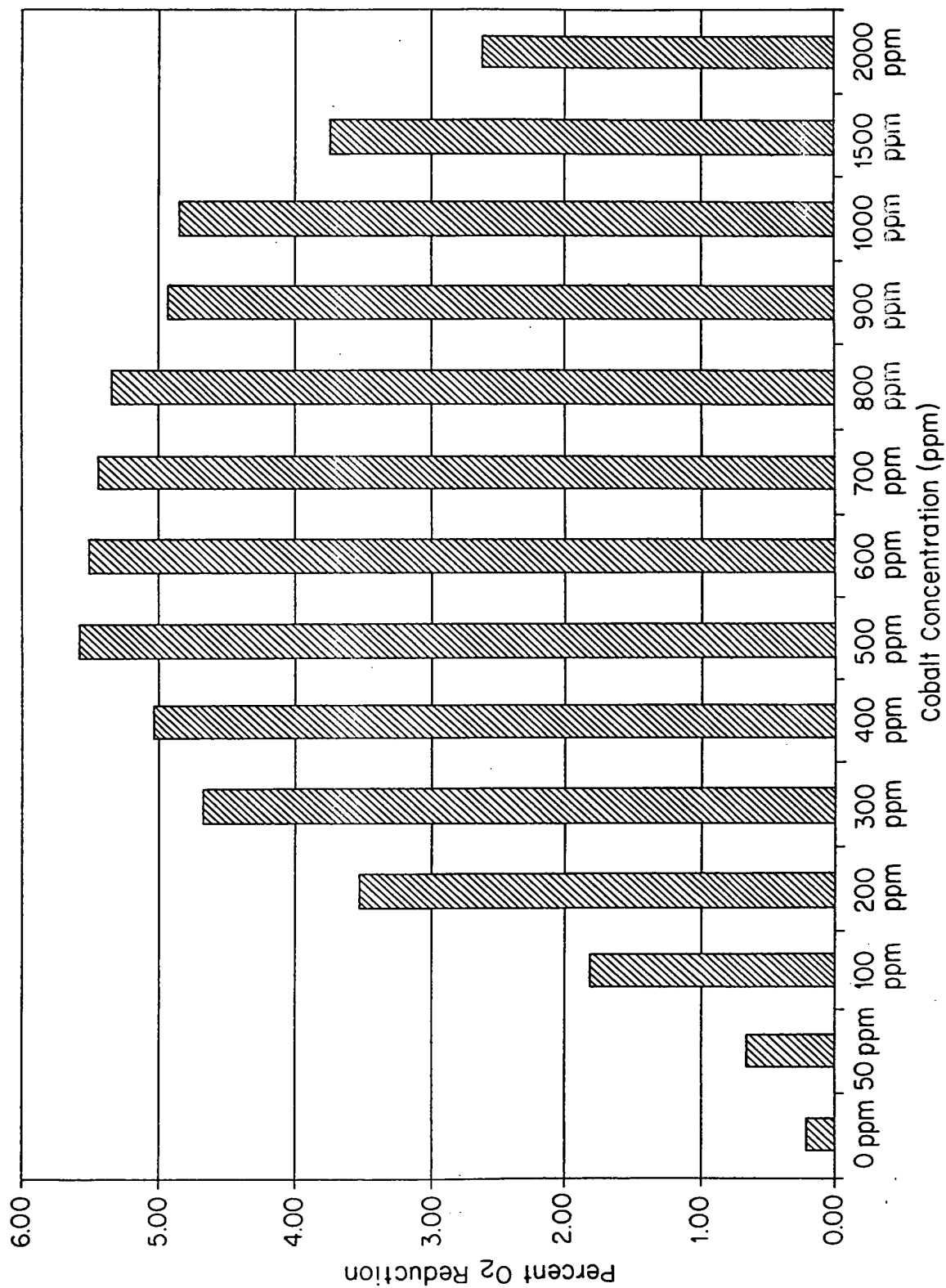


FIG. 19

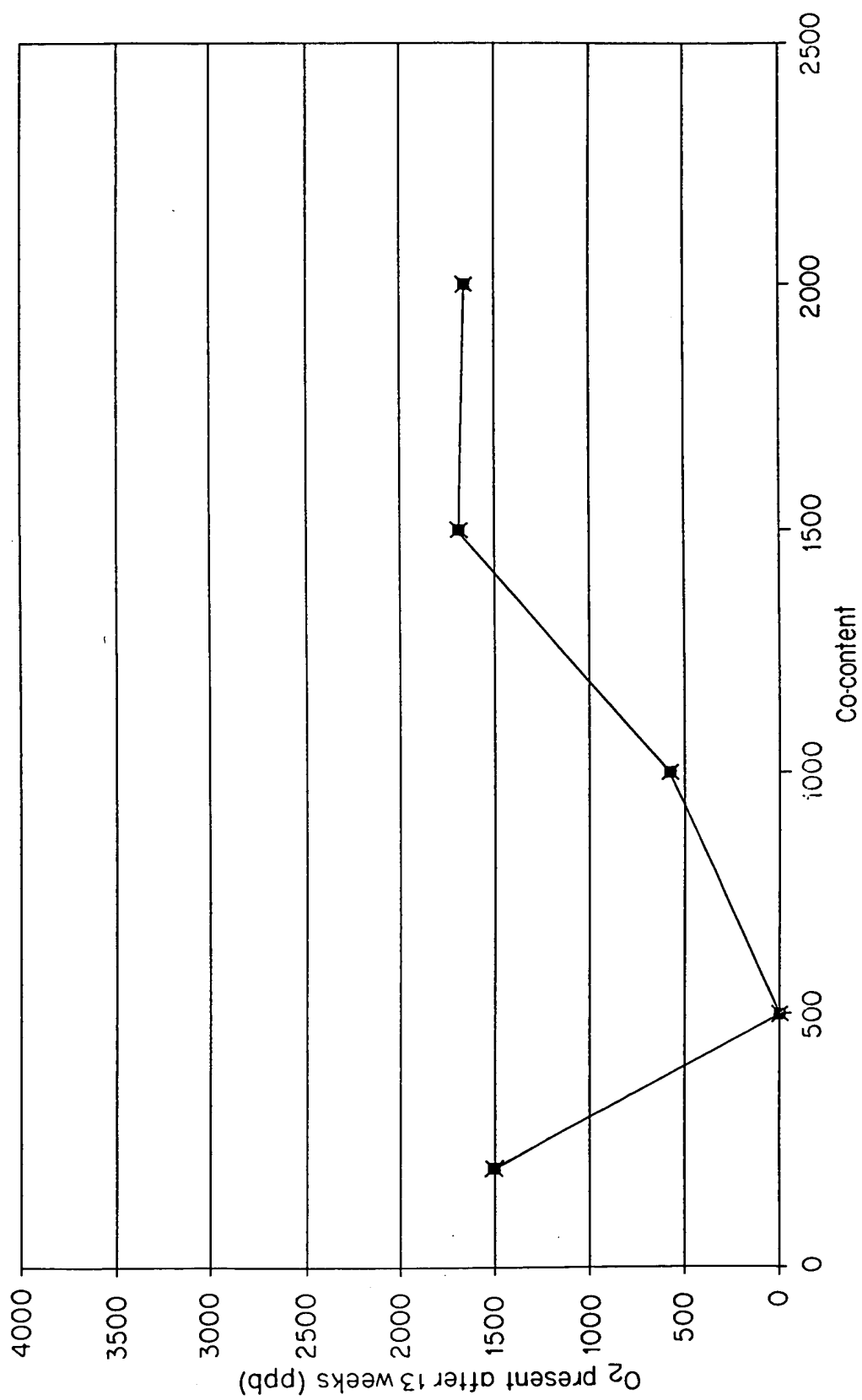


FIG. 20